

Carlson, k.
10/821283

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L1 1 S QRILQQINLPRI/SQSP

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 512197-29-4 REGISTRY

CN L-Isoleucine, L-glutaminyl-L-arginyl-L-isoleucyl-L-leucyl-L-glutaminyl-
L-glutaminyl-L-isoleucyl-L-asparaginyl-L-leucyl-L-prolyl-L-arginyl-
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 11: PN: WO03033644 PAGE: 5 claimed protein

SQL 12

SEQ 1 QRILQQINLP RI

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HITS AT: 1-12

REFERENCE 1: 143:324315

REFERENCE 2: 138:319692

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FILE COVERS 1907 - 7 Dec 2005 VOL 143 ISS 24

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L2 2 L1

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 11 Jul 2005

ACCESSION NUMBER: 2005:597032 CAPLUS

DOCUMENT NUMBER: 143:324315

TITLE: A mimotope peptide-based anti-cancer vaccine selected by BAT monoclonal antibody

AUTHOR(S): Hardy, Britta; Raiter, Annat

CORPORATE SOURCE: Rabin Medical Center, Felsenstein Medical Research Center, Tel Aviv University School of Medicine, Petah Tikva, 49100, Israel

SOURCE: Vaccine (2005), 23(34), 4283-4291

CODEN: VACCDE; ISSN: 0264-410X

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Combinatorial phage display peptide libraries are employed to identify small mols. which bind with high affinity to receptor mols. and which mimic the interaction with natural ligands. The authors used a synthetic combinatorial phage display peptide library to screen for peptides that bind BAT monoclonal antibody, an immune modulatory and anti-tumor antibody, to serve as the basis for an anti-cancer vaccine. Two distinct mimotopes, peptides A and B, were isolated, with repeated Pro, Arg, and Ile amino acids. Mimotope binding was determined by direct binding and by inhibition of BAT binding to the peptide bound phages and to Daudi cells. Immunization of mice with the peptides induced cellular and humoral responses. Cellular response was manifested by an increase in cytolytic activity. Humoral response was manifested by production of specific antibodies. Serum purified IgG fraction contained anti-peptide antibodies that identified BAT binding mimotopes and competed with BAT binding on Daudi cells. These "BAT like" antibodies exhibited similar immunostimulatory properties to BAT. Immunization of mice with the peptides prevented tumor growth. These findings are the basis for the development of an anti-cancer vaccine.

IT 512197-29-4

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

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(mimotope peptides selected by BAT monoclonal antibody using
combinatorial phage display peptide library as tumor vaccines that
elicit humoral and cellular antitumor immunity)

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 25 Apr 2003

ACCESSION NUMBER: 2003:320013 CAPLUS

DOCUMENT NUMBER: 138:319692

TITLE: Peptide mimotopes for BAT monoclonal antibody

INVENTOR(S): Hardy, Britta; Raiter, Annat; Klapper, Leah

PATENT ASSIGNEE(S): Cure Tech Ltd., Israel; Mor-Research Applications
Ltd.

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033644	A2	20030424	WO 2002-IL831	20021015
WO 2003033644	A3	20040729		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1469869	A2	20041027	EP 2002-775191	20021015
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
US 2005003397	A1	20050106	US 2004-821283	20040409
PRIORITY APPLN. INFO.:			IL 2001-145926	A 20011015
			WO 2002-IL831	W 20021015

AB The authors disclose peptides selected in phage display for reactivity with the BAT-1 monoclonal antibody raised against Daudi lymphoma cells. In one example, immunization with a peptide mimotope elicited a growth inhibitory response against melanoma in mice.

IT 512197-29-4

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(peptide mimotopes for BAT monoclonal antibody induce immune response against tumor)

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L3 0 L1

=> fil hom

FILE 'HOME' ENTERED AT 15:13:17 ON 07 DEC 2005

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=> d his ful

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SET COST OFF

L1 FILE 'REGISTRY' ENTERED AT 15:12:40 ON 07 DEC 2005
1 SEA ABB=ON PLU=ON QRILQQINLPRI/SQSP

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D .BEVREG1

L2 FILE 'CAPLUS' ENTERED AT 15:13:01 ON 07 DEC 2005
2 SEA ABB=ON PLU=ON L1
D 1-2 .BEVSTR

L3 FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 15:13:12 ON 07 DEC 2005
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FILE MEDLINE

FILE LAST UPDATED: 6 DEC 2005 (20051206/UP). FILE COVERS 1950 TO DAT

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

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FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 1 December 2005 (20051201/ED)

FILE EMBASE

FILE COVERS 1974 TO 1 Dec 2005 (20051201/ED)

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